

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"09/788339"	US- PGPUB; USPAT	OR	ON	2012/12/03 09:38
L2	34	(solar adj cell adj module OR photovoltaic adj moldule) with (typical\$4 OR genral\$4 OR conventional\$4) with (serier or parallel)	US- PGPUB; USPAT	OR	ON	2012/12/03 09:44
L3	91	(solar adj cell adj module OR photovoltaic adj moldule) with (typical\$4 OR genral\$4 OR conventional\$4) with (series or parallel)	US- PGPUB; USPAT	OR	ON	2012/12/03 09:44
S1	0	smoothing near5 defect near5 free near5 substrate	US- PGPUB; USPAT	OR	ON	2011/05/19 15:15
S2	128	smooth near5 defect near5 free near5 substrate	US- PGPUB; USPAT	OR	ON	2011/05/19 15:15
S3	5	"12/049159"	US- PGPUB; USPAT	OR	ON	2011/05/19 15:25
S4	1	S3 and (electronic near2 device)	US- PGPUB; USPAT	OR	ON	2011/05/19 15:31
S5	5	S3 AND (metallic Or metallized) near5 (substrate)	US- PGPUB; USPAT	OR	ON	2011/05/19 15:33
S6	1	"09/788339"	US- PGPUB; USPAT	OR	ON	2011/05/23 08:45
S7	1	("6300556").PN.	US- PGPUB; USPAT	OR	OFF	2011/05/23 08:48
S8	1	S6 and "3"	US- PGPUB; USPAT	OR	OFF	2011/05/23 08:53
S9	1	S6 and ".mu.g"	US- PGPUB; USPAT	OR	OFF	2011/05/23 08:54
S10	94611	Solar near2 (battery OR cell) Or photocell Or photo\$2cell OR photo adj cell OR photovoltaic	US- PGPUB; USPAT	OR	ON	2011/05/23 09:49
S11	15211	(S10).ab.	US- PGPUB; USPAT	OR	ON	2011/05/23 09:49
S12	48	S11 AND (sodium near2 ion) with (resin Or polymer)	US- PGPUB; USPAT	OR	ON	2011/05/23 09:49
S13	53	S11 AND (sodium OR Na! OR "Na+" Or "Na.sup.+") near2 (ion) with (resin Or	US- PGPUB;	OR	ON	2011/05/23 09:50

		polymer)	USPAT			
S14	53	S11 AND (sodium OR Na! OR "Na+" Or "Na.sup.+") near2 (ion) with (resin Or polymer OR adhesive)	US- PGPUB; USPAT	OR	ON	2011/05/23 09:51
S15	64	S11 AND (sodium OR Na! OR "Na+" Or "Na.sup.+") near2 (ion) with (resin Or polymer OR adhesive or copolymer )	US- PGPUB; USPAT	OR	ON	2011/05/23 09:51
S16	304	S11 AND (sodium OR Na! OR "Na+" Or "Na.sup.+") with (resin Or polymer OR adhesive or copolymer )	US- PGPUB; USPAT	OR	ON	2011/05/23 09:51
S17	240	S16 NOT S15	US- PGPUB; USPAT	OR	ON	2011/05/23 09:51
S18	96	S11 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+") with (resin Or polymer OR adhesive or copolymer )	US- PGPUB; USPAT	OR	ON	2011/05/23 09:52
S19	32	S18 NOT S15	US- PGPUB; USPAT	OR	ON	2011/05/23 09:52
S20	24	S11 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (migration Or migrate OR migrating Or migrated) with (glass)	US- PGPUB; USPAT	OR	ON	2011/05/23 09:57
S21	39	S11 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) with (glass)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:31
S22	39	S21 NOT S19	US- PGPUB; USPAT	OR	ON	2011/05/23 10:31
S23	15	S21 NOT S20	US- PGPUB; USPAT	OR	ON	2011/05/23 10:32
S24	58	S11 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) SAME (glass)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:33
S25	19	S24 NOT (S20 OR S21)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:33
S26	83	S11 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) SAME (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) SAME (glass)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:37
S27	25	S26 NOT (S20 OR S21 OR S25)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:37
S28	85	S10 SAME (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) SAME (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) SAME (glass)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:40
S29	0	S26 NOT (S20 OR S21 OR S25 OR S27)	US- PGPUB; USPAT	OR	ON	2011/05/23 10:40

S30	7	S26 NOT (S20 OR S21 OR S25 OR S28)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:40
S31	0	S26 NOT (S20 OR S21 OR S25 OR S27)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:41
S32	425	S10 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) SAME (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) SAME (glass)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:42
S33	0	S26 NOT (S20 OR S21 OR S25 OR S27 OR S30)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:42
S34	425	S10 AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) SAME (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) SAME (glass)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:43
S35	317	S34 NOT (S20 OR S21 OR S25 OR S28)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:43
S36	85	(S10).ab. AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (glass) AND (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) SAME (glass)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:46
S37	85	S36 NOT ("L15" OR "L16" OR "L20" OR "L22")	US-PGPUB; USPAT	OR	ON	2011/05/23 10:47
S38	34	S36 NOT (S20 OR S21 OR S25 OR S27)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:47
S39	140	(S10).ab. AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (glass) AND (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:48
S40	0	S36 NOT (S20 OR S21 OR S25 OR S27 OR S37 Or S38)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:49
S41	0	S36 NOT (S20 OR S21 OR S25 OR S27 OR S37)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:49
S42	58	(S10).ab. AND (sodium OR Na! OR "Na+" Or "Na.sup.+" Or ion) with (glass) AND (migration Or migrate OR migrating Or migrated Or diffuse Or diffused Or diffusing) with (ion)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:52
S43	11	S42 NOT (S20 OR S21 OR S25 OR S27 OR S37)	US-PGPUB; USPAT	OR	ON	2011/05/23 10:52
S44	630	(S10).ab. AND (sodium OR Na! OR "Na+" Or "Na.sup.+" Or ion) with (resin Or adhesive Or polymer Or copolymer)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:17
S45	612	S44 NOT (S20 OR S21 OR S25 OR S27 OR S37)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:17

S46	84	(S10).ab. AND (sodium OR Na! OR "Na+" Or "Na.sup.+" Or ion) with (resin Or adhesive Or polymer Or copolymer) SAME (glass)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:18
S47	53	(S10).ab. AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (resin Or adhesive Or polymer Or copolymer) SAME (glass)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:19
S48	477	(S10).ab. AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) with (resin Or adhesive Or polymer Or copolymer)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:19
S49	96	(S10).ab. AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" ) with (resin Or adhesive Or polymer Or copolymer)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:19
S50	139	(S10).ab. AND (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" ) SAME (resin Or adhesive Or polymer Or copolymer)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:20
S51	43	S50 NOT S49	US-PGPUB; USPAT	OR	ON	2011/05/23 11:21
S52	471	(S10).ab. AND (sodium OR Na! OR "Na+" Or "Na.sup.+" ) SAME (resin Or adhesive Or polymer Or copolymer)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:25
S53	330	S52 NOT (S51 OR S50 OR S49 OR S47)	US-PGPUB; USPAT	OR	ON	2011/05/23 11:25
S55	1	("20040167289").PN.	US-PGPUB; USPAT	OR	OFF	2011/05/23 14:52
S56	575	(photovoltaic OR photo\$2cell\$2 OR photo adj cell OR solar adj cell).ab. AND (soda near2 lime near2 glass)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:03
S57	3	(photovoltaic OR photo\$2cell\$2 OR photo adj cell OR solar adj cell).ab. AND (soda near2 lime near2 glass) with (incident) with (light)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:04
S58	55	(photovoltaic OR photo\$2cell\$2 OR photo adj cell OR solar adj cell).ab. AND (soda near2 lime near2 glass) with (incident OR light)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:04
S59	46674	(EVA near5 polymer) ith (UV or ultraviolet) near5 (degrad\$5)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:06
S60	0	(EVA near5 polymer) with (UV or ultraviolet) near5 (degrad\$5)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:06
S61	16	(EVA ) with (UV or ultraviolet) near5 (degrad\$5)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:06
S62	259	(EVA near5 copolymer) near5 (adhesive) near5 (melt)	US-PGPUB; USPAT	OR	ON	2011/05/27 09:10
S63	1298	(136/251).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/05/27 10:15

S64	2769	(136/256).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:15
S65	1640	(136/258).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:15
S66	1053	(136/259).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:15
S67	902	(136/261).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:16
S68	497	(257/183).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:16
S69	925	(257/184).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:16
S70	1203	(257/461).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:16
S71	1287	(257/433).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/05/27 10:16
S72	1415	(136/251).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/12/15 11:45
S73	3144	(136/256).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/12/15 11:45
S74	1697	(136/258).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/12/15 11:45
S75	971	(136/261).CCLS.	US- PGPUB; USPAT	OR	OFF	2011/12/15 11:45
S76	103037	Solar near2 (battery OR cell) Or photocell Or photo\$2cell OR photo adj cell OR photovoltaic	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S77	17073	(S76).ab.	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S78	70	S77 AND (sodium OR Na! OR "Na+" Or "Na.sup.+" ) near2 (ion) with (resin Or polymer OR adhesive or copolymer )	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S79	349	S77 AND (sodium OR Na! OR "Na+" Or "Na.sup.+" ) with (resin Or polymer OR adhesive or copolymer )	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S80	279	S79 NOT S78	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S81	5	"12/049159"	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S82	5	S81 AND (metallic Or metallized) near5 (substrate)	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45

S83	102	S76 SAME (sodium with ion OR Na! with ion OR "Na+" Or "Na.sup.+" Or ion) SAME (migration Or migrate OR migrating OR migrated OR diffuse OR diffused OR diffusing) SAME (glass)	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S84	266	(EVA near5 copolymer) near5 (adhesive) near5 (melt)	US- PGPUB; USPAT	OR	ON	2011/12/15 11:45
S85	1	("20030201007").PN.	US- PGPUB; USPAT	OR	OFF	2011/12/15 13:40
S86	1	S85 AND suns!	US- PGPUB; USPAT	OR	OFF	2011/12/15 13:40
S87	1	S85 AND silicon	US- PGPUB; USPAT	OR	OFF	2011/12/15 13:48
S88	1	("20030005956").PN.	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:43
S89	1	S88 AND (anti\$2reflect\$4)	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:43
S90	1	S88 AND (anti\$2reflect\$4) AND ("MgF.sub.2" OR magnesium)	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:43
S91	109	(anti\$2reflect\$4 near5 (coat\$4 Or film)) with ("MgF.sub.2" OR magnesiumfluoride Or magnesium near2 fluoride OR "MGF2") with (typical\$4 OR general\$4 OR convention\$4)	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:47
S92	9	(anti\$2reflect\$4 near5 (coat\$4 Or film)) with ("MgF.sub.2" OR magnesiumfluoride Or magnesium near2 fluoride OR "MGF2") with (typical\$4 OR general\$4 OR convention\$4) AND (solar adj cell Or photovoltaic).ab.	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:47
S93	15	(anti\$2reflect\$4) with ("MgF.sub.2" OR magnesiumfluoride Or magnesium near2 fluoride OR "MGF2") with (typical\$4 OR general\$4 OR convention\$4) AND (solar adj cell Or photovoltaic).ab.	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:48
S94	1	(anti\$2reflect\$4) with ("MgF.sub.2" OR magnesiumfluoride Or magnesium near2 fluoride OR "MGF2") with (typical\$4 OR general\$4 OR convention\$4) AND (fresnel near2 lens).ab.	US- PGPUB; USPAT	OR	OFF	2011/12/15 14:49

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